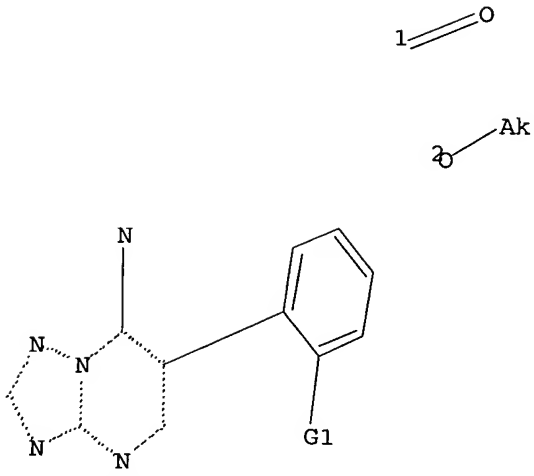
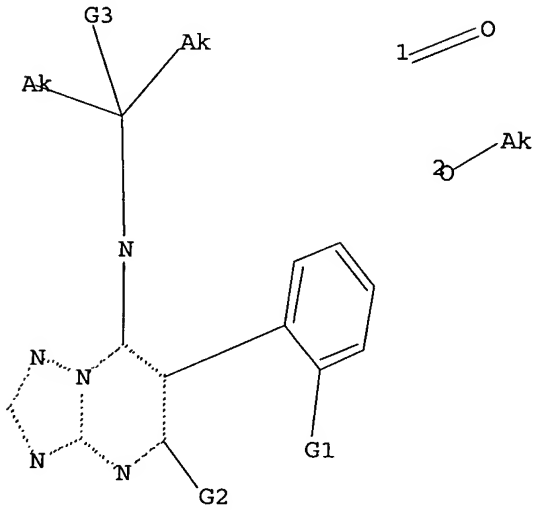
```
=> file registry
FILE 'REGISTRY' ENTERED AT 16:58:43 ON 25 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   23 JUL 2006  HIGHEST RN 895579-80-3
DICTIONARY FILE UPDATES:  23 JUL 2006  HIGHEST RN 895579-80-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> file hcaplus
FILE 'HCAPLUS' ENTERED AT 16:58:50 ON 25 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
the American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 25 Jul 2006  VOL 145 ISS 5
FILE LAST UPDATED: 24 Jul 2006  (20060724/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d stat que L68
L61             STR
```



G1 S,N,CN,X,Ak,[@1],[@2]

Structure attributes must be viewed using STN Express query preparation.
L63 STR



G1 S,N,CN,X,Ak,[@1],[@2]

G2 X,Ak,CN,[@2]

G3 H,Ak

Structure attributes must be viewed using STN Express query preparation.
L65 1568 SEA FILE=REGISTRY SSS FUL L61
L67 36 SEA FILE=REGISTRY SUB=L65 SSS FUL L63
L68 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L67

=> file beilstein
FILE 'BEILSTEIN' ENTERED AT 16:59:15 ON 25 JUL 2006

FILE LAST UPDATED ON JUNE 16, 2006

FILE COVERS 1771 TO 2006.
*** FILE CONTAINS 9,606,495 SUBSTANCES ***

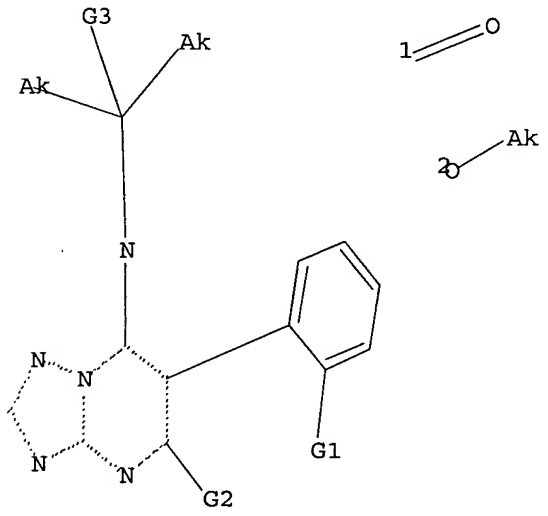
>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For mo detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
* FOR PRICE INFORMATION SEE HELP COST *
****

NEW
* PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.
* NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.

=> d stat que L85
L63 STR

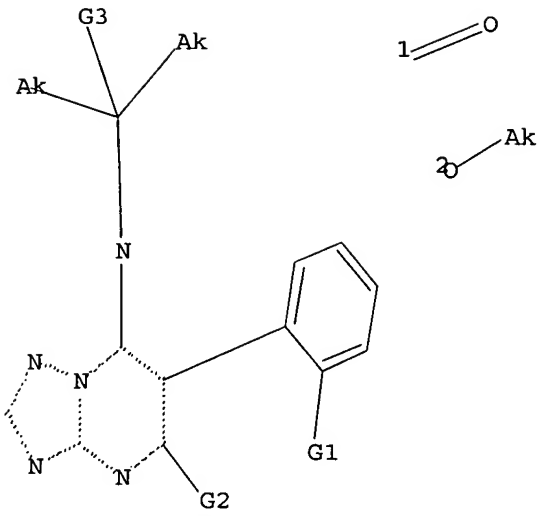


G1 S,N,CN,X,Ak,[@1],[@2]

G2 X,Ak,CN,[@2]

G3 H,Ak

```
Structure attributes must be viewed using STN Express query preparation.
L85             0 SEA FILE=BEILSTEIN SSS FUL L63

100.0% PROCESSED       0 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.04


=> file marpat
FILE 'MARPAT' ENTERED AT 16:59:33 ON 25 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

FILE CONTENT: 1961-PRESENT VOL 144 ISS 26 (20060721/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US   2006118302 08 JUN 2006
DE 102004054303 11 MAY 2006
EP      1657292 17 MAY 2006
JP   2006120460 11 MAY 2006
WO   2006053912 26 MAY 2006
GB      2419594 03 MAY 2006
FR      2877567 12 MAY 2006
RU      2275374 27 APR 2006
CA      2518664 10 MAR 2006

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.


=> d stat que L91
L63             STR
```

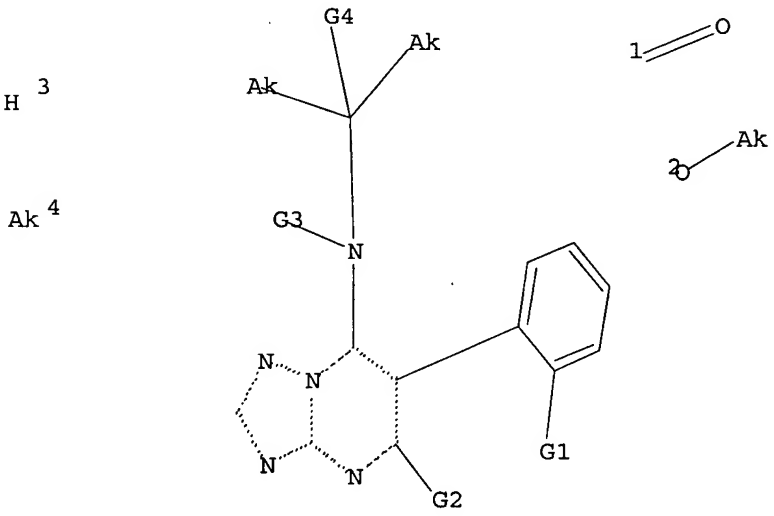


G1 S,N,CN,X,Ak,[@1],[@2]

G2 X,Ak,CN,[@2]

G3 H,Ak

Structure attributes must be viewed using STN Express query preparation.
L86 59 SEA FILE=MARPAT SSS FUL L63
L89 STR



G1 S,N,CN,X,Ak,[@1],[@2]

G2 X,Ak,CN,[@2]

G3 H,Ak

G4 [@3],[@4]

Structure attributes must be viewed using STN Express query preparation.
L91 6 SEA FILE=MARPAT SUB=L86 SSS FUL L89

100.0% PROCESSED 57 ITERATIONS (1 INCOMPLETE) 6 ANSWERS
SEARCH TIME: 00.00.32

=> dup rem L68 L91
FILE 'HCAPLUS' ENTERED AT 16:59:59 ON 25 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'MARPAT' ENTERED AT 16:59:59 ON 25 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)
PROCESSING COMPLETED FOR L68
PROCESSING COMPLETED FOR L91
L92 7 DUP REM L68 L91 (1 DUPLICATE REMOVED)
ANSWERS '1-2' FROM FILE HCAPLUS
ANSWERS '3-7' FROM FILE MARPAT

=> d ibib abs hitstr L92 1-2; d ibib abs hit L92 3-7

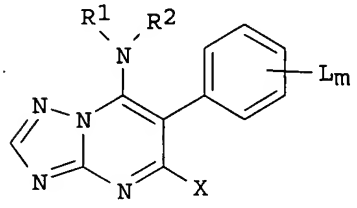
L92 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2004:857602 HCAPLUS
DOCUMENT NUMBER: 141:332222
TITLE: Methods for the production and use of 7-(alkynylamino)triazolopyrimidines and agents containing them useful for combating harmful fungi
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087706	A1	20041014	WO 2004-EP3346	20040330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004226253	A1	20041014	AU 2004-226253	20040330
CA 2520718	AA	20041014	CA 2004-2520718	20040330

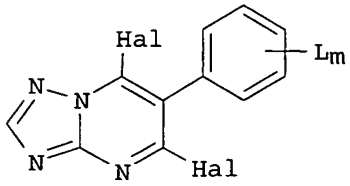
Saloni Sharma

07/25/2006

EP 1613633 A1 20060111 EP 2004-724256 20040330
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
BR 2004008864 A 20060411 BR 2004-8864 20040330
CN 1768062 A 20060503 CN 2004-80009242 20040330
PRIORITY APPLN. INFO.: DE 2003-10314930 A 20030402
WO 2004-EP3346 W 20040330
OTHER SOURCE(S): CASREACT 141:332222; MARPAT 141:332222
GI



I



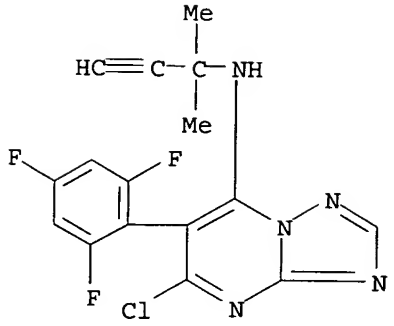
II

AB 7-(Alkynylamino)triazolopyrimidines I [L = halogen, C1-6-alkyl, C1-6-halogenalkyl, C1-6-alkoxy, NH2, NHR, NR2, cyano, S(O)nA1 or C(O)A2; R = C1-8-alkyl, C1-8-alkylcarbonyl; A1 = hydrogen, hydroxy, C1-8-alkyl, C1-8-alkylamino, di(C1-8-alkyl)amino; n = 0, 1 or 2; A2 = C2-8-alkenyl, C1-8-alkoxy, C1-6-halogenalkoxy or A1; m = 1, 2, 3, 4 or 5 (whereby at least one group L is present in an ortho-position to the bond with the triazolopyrimidine skeleton); X = halogen, cyano, C1-4-alkyl, C1-4-haloalkyl, C1-4-alkoxy; R1 = hydrogen, C1-4-alkyl; R2 = (un)substituted C3-10-alkynyl]. The invention also relates to methods for the production of said compds., agents containing said compds. and the use thereof to combat harmful phytopathogenic fungi. The procedure for the preparation of I is characterized by: reaction of halotriazolopyrimidines II (Hal = halogen) with R1R2NH. Thus, triazolopyrimidine I [R1 = H, R2 = CH2C.tplbond.CH, X = Cl, L3 = F3-2,4,6] was prepared from 5,7-Dichloro-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (II;) via amination with HC.tplbond.CCH2NH2 in CH2Cl2 containing Et3N. The inhibitory activity of I were determined [after 5 d I (R1 = H, R2 = CH2C.tplbond.CCH2Cl, X = Cl, L3 = F3-2,4,6; R1 = H, R2 = CMe2C.tplbond.CH, X = Cl, L3 = F3-2,4,6) had decreased the activity of Alternaria solani (Tomato dry spot disease) and Puccinia recondita (wheat brown rust) to 3%].

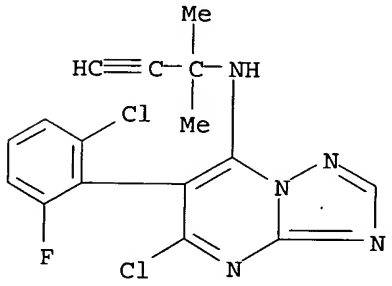
IT 773879-54-2P 773879-56-4P 773879-58-6P
773879-59-7P 773879-62-2P 773879-64-4P
773879-67-7P 773879-68-8P 773879-69-9P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (alkynylamino)triazolopyrimidines for use in combating harmful phytopathogenic fungi)

RN 773879-54-2 HCAPLUS

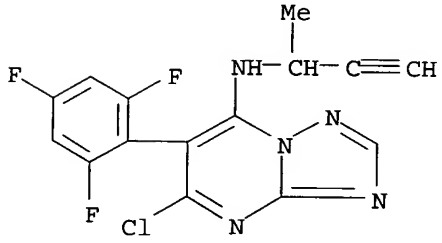
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,1-dimethyl-2-propynyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



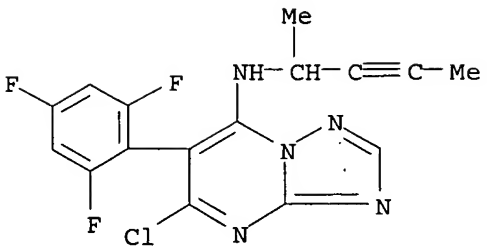
RN 773879-56-4 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluorophenyl)-N-(1,1-dimethyl-2-propynyl)- (9CI) (CA INDEX NAME)



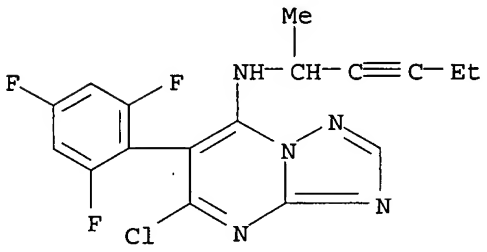
RN 773879-58-6 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-2-propynyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



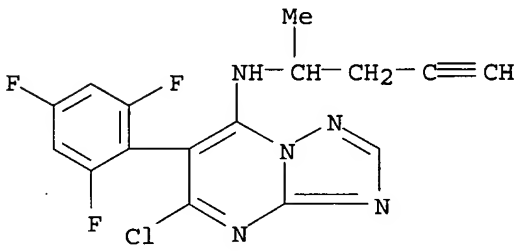
RN 773879-59-7 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-2-butynyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



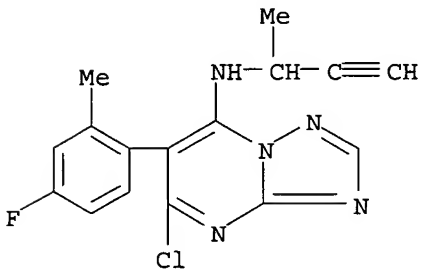
RN 773879-62-2 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-2-pentynyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



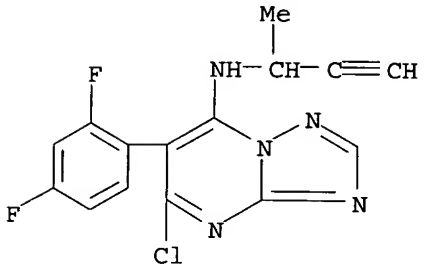
RN 773879-64-4 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-3-butynyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



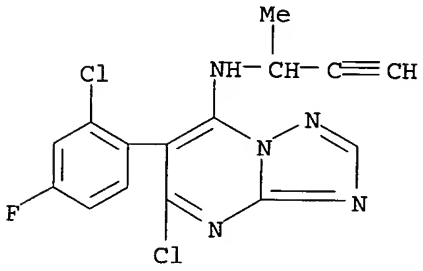
RN 773879-67-7 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-fluoro-2-methylphenyl)-N-(1-methyl-2-propynyl)- (9CI) (CA INDEX NAME)



RN 773879-68-8 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1-methyl-2-propynyl)- (9CI) (CA INDEX NAME)



RN 773879-69-9 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-4-fluorophenyl)-N-(1-methyl-2-propynyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L92 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:857601 HCAPLUS
DOCUMENT NUMBER: 141:332213
TITLE: Preparation of alkenylaminotriazolopyrimidines as agrochemical fungicides.
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087705	A1	20041014	WO 2004-EP3102	20040324

Saloni Sharma

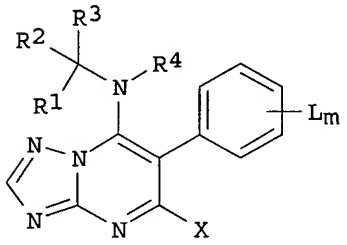
07/25/2006

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004226233	A1	20041014	AU 2004-226233		20040324
CA 2520579	AA	20041014	CA 2004-2520579		20040324
EP 1611135	A1	20060104	EP 2004-722827		20040324
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK					
BR 2004008754	A	20060328	BR 2004-8754		20040324
CN 1768060	A	20060503	CN 2004-80008707		20040324
PRIORITY APPLN. INFO.:			DE 2003-10314760	A	20030331
			WO 2004-EP3102	W	20040324

OTHER SOURCE(S): MARPAT 141:332213

GI

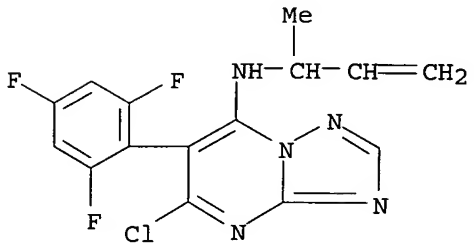


I

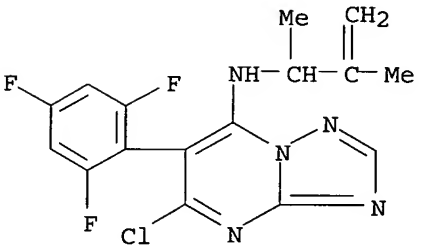
AB Title compds. [I; L = halo, alkyl, haloalkyl, alkoxy, amino, NHR, NR2; R = alkyl, alkylcarbonyl; m = 1-5; X = halo, cyano, alkyl, haloalkyl, alkoxy; R1 = alkyl, haloalkyl; R2 = H, alkyl, haloalkyl; R3 = (substituted) alkenyl; R4 = H, alkyl; R3R4N = (substituted) 5- or 6-membered unsatd. ring which can be interrupted by O, N, S], were prepared Thus, 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine, (1-methyl-2-propen-1-yl)amine, and Et3N were stirred 16 h in CH2Cl2 at 20-25° to give 5-chloro-6-(2,4,6-trifluorophenyl)-7-(1-methyl-2-propen-1-yl)amino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave 100% control of Alternaria solani on tomato plants.

IT 773148-94-0P 773148-95-1P 773148-96-2P
773148-97-3P 773148-98-4P 773148-99-5P
773149-01-2P 773149-04-5P 773149-05-6P
773149-08-9P 773149-09-0P 773149-10-3P
773149-11-4P 773149-12-5P 773149-13-6P
773149-14-7P 773149-15-8P 773149-16-9P
773149-18-1P 773149-19-2P 773149-20-5P
773149-21-6P 773149-22-7P 773149-23-8P
773149-25-0P 773149-27-2P 773149-28-3P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of alkenylaminotriazolopyrimidines as agrochem. fungicides)

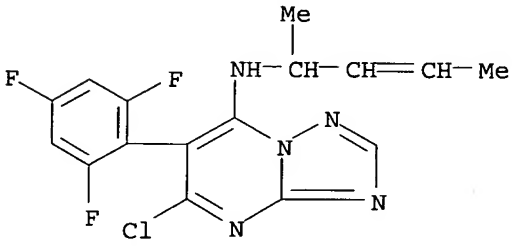
RN 773148-94-0 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-2-propenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



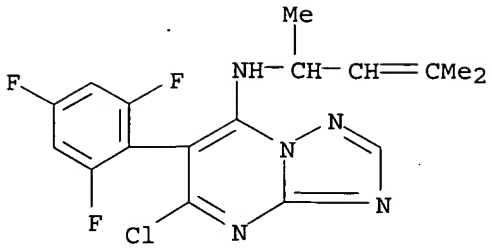
RN 773148-95-1 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,2-dimethyl-2-propenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



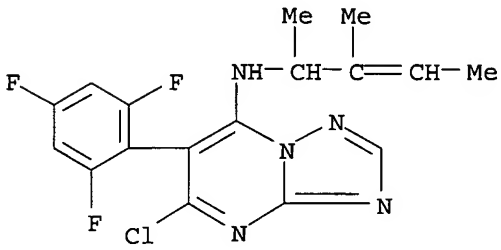
RN 773148-96-2 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-2-butenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



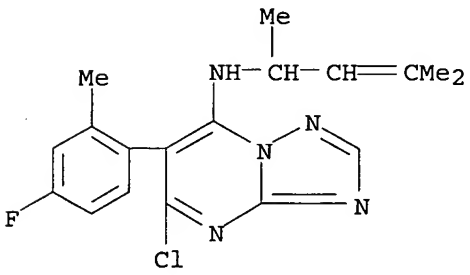
RN 773148-97-3 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,3-dimethyl-2-butenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



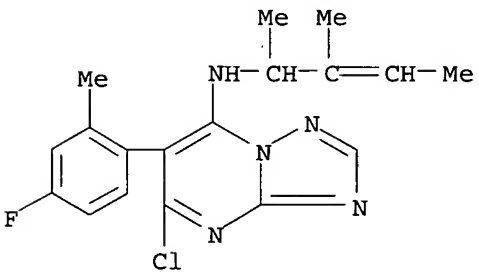
RN 773148-98-4 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,2-dimethyl-2-butenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



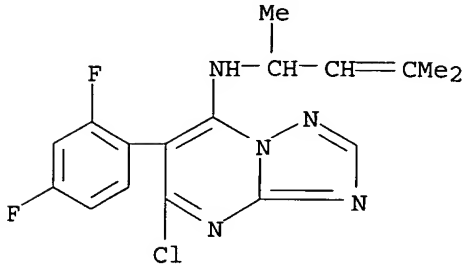
RN 773148-99-5 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,3-dimethyl-2-butenyl)-6-(4-fluoro-2-methylphenyl)- (9CI) (CA INDEX NAME)



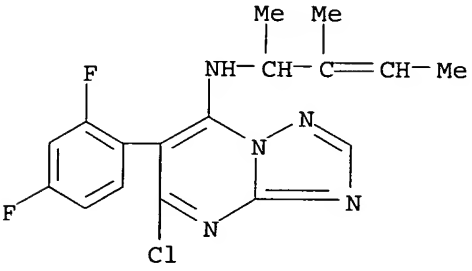
RN 773149-01-2 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,2-dimethyl-2-butenyl)-6-(4-fluoro-2-methylphenyl)- (9CI) (CA INDEX NAME)



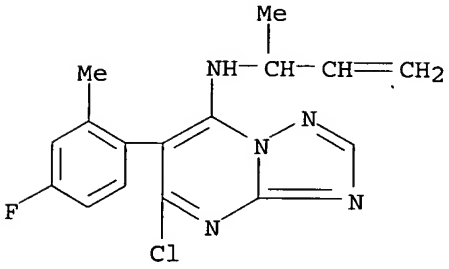
RN 773149-04-5 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1,3-dimethyl-2-butenyl)- (9CI) (CA INDEX NAME)



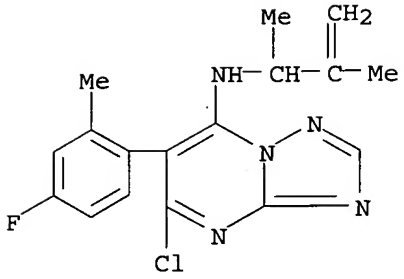
RN 773149-05-6 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1,2-dimethyl-2-butenyl)- (9CI) (CA INDEX NAME)



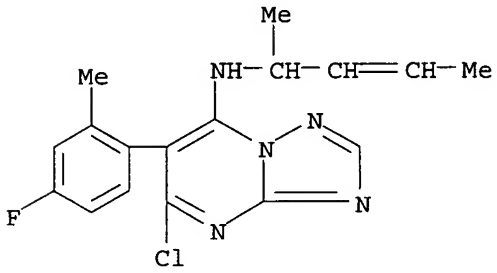
RN 773149-08-9 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-fluoro-2-methylphenyl)-N-(1-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



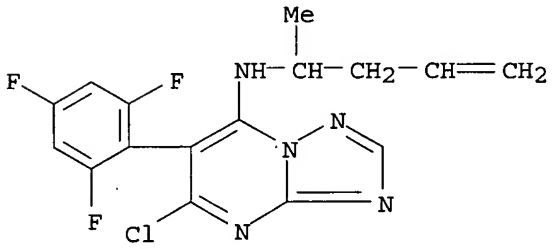
RN 773149-09-0 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1,2-dimethyl-2-propenyl)-6-(4-fluoro-2-methylphenyl)- (9CI) (CA INDEX NAME)



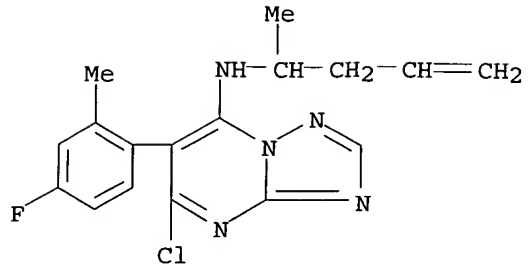
RN 773149-10-3 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-fluoro-2-methylphenyl)-N-(1-methyl-2-butenyl)- (9CI) (CA INDEX NAME)



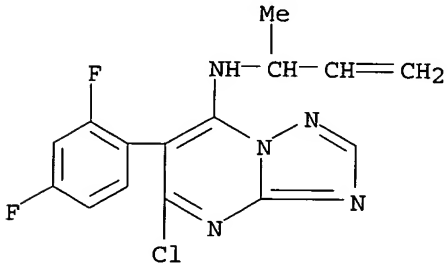
RN 773149-11-4 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-3-butenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



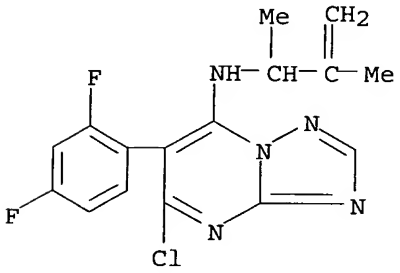
RN 773149-12-5 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-fluoro-2-methylphenyl)-N-(1-methyl-3-butenyl)- (9CI) (CA INDEX NAME)



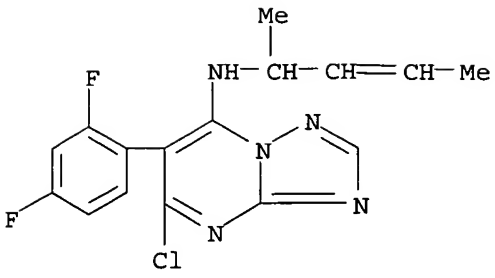
RN 773149-13-6 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



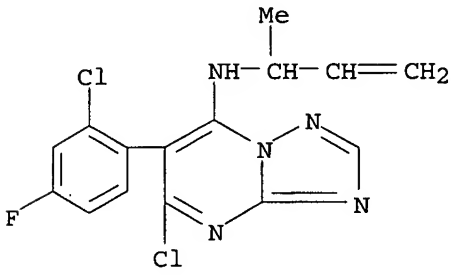
RN 773149-14-7 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1,2-dimethyl-2-propenyl)- (9CI) (CA INDEX NAME)



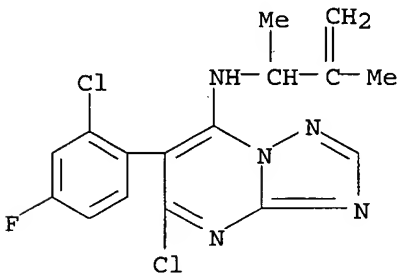
RN 773149-15-8 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1-methyl-2-butenyl)- (9CI) (CA INDEX NAME)



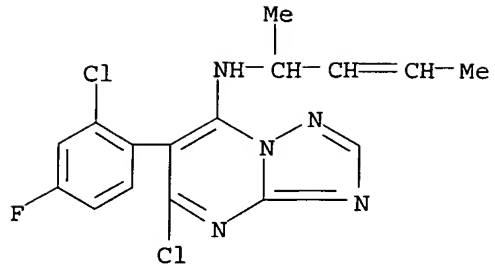
RN 773149-16-9 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-4-fluorophenyl)-N-(1-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



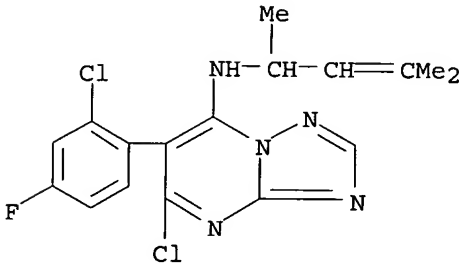
RN 773149-18-1 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-4-fluorophenyl)-N-(1,2-dimethyl-2-propenyl)- (9CI) (CA INDEX NAME)



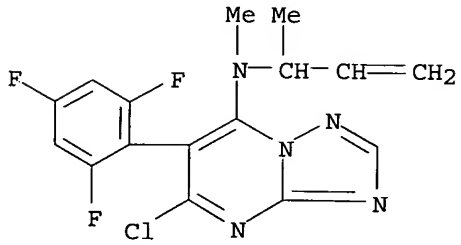
RN 773149-19-2 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-4-fluorophenyl)-N-(1-methyl-2-butenyl)- (9CI) (CA INDEX NAME)



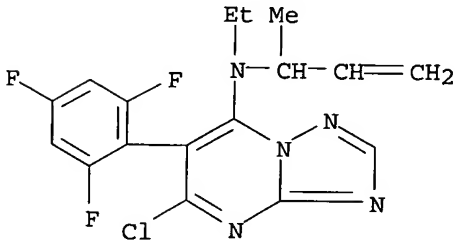
RN 773149-20-5 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-4-fluorophenyl)-N-(1,3-dimethyl-2-butenyl)- (9CI) (CA INDEX NAME)



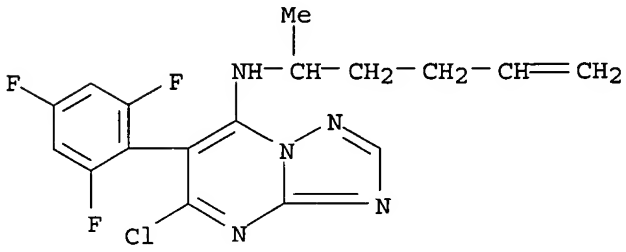
RN 773149-21-6 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-methyl-N-(1-methyl-2-propenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



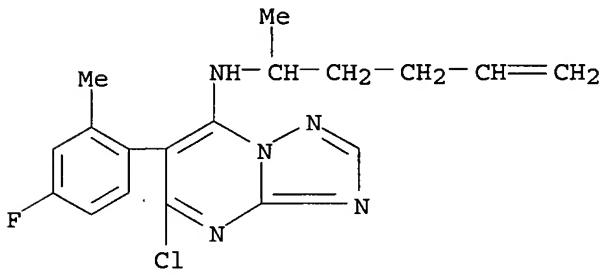
RN 773149-22-7 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-ethyl-N-(1-methyl-2-propenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



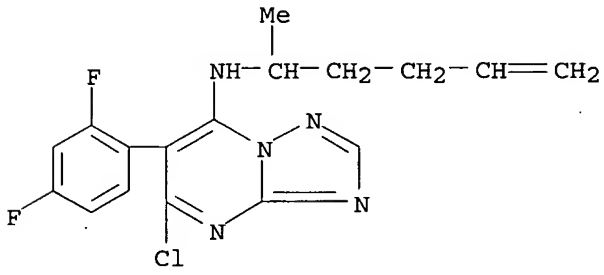
RN 773149-23-8 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methyl-4-pentenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



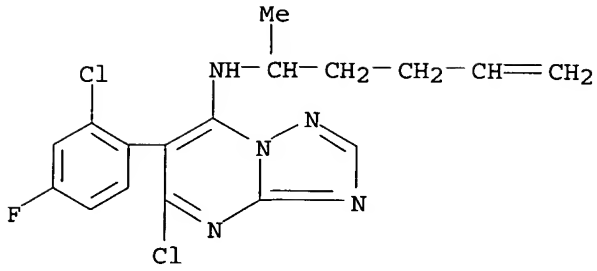
RN 773149-25-0 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-fluoro-2-methylphenyl)-N-(1-methyl-4-pentenyl)- (9CI) (CA INDEX NAME)



RN 773149-27-2 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(1-methyl-4-pentenyl)- (9CI) (CA INDEX NAME)



RN 773149-28-3 HCAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-4-fluorophenyl)-N-(1-methyl-4-pentenyl)- (9CI) (CA INDEX NAME)



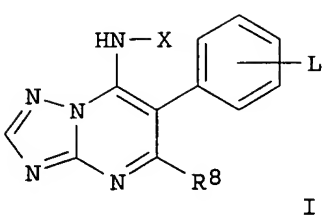
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L92 ANSWER 3 OF 7 MARPAT COPYRIGHT 2006 ACS on STN
(ALL HITs ARE ITERATION INCOMPLETES)
ACCESSION NUMBER: 144:292778 MARPAT
TITLE: Preparation of 6-phenyl-7-aminotriazolopyrimides as agrochemical fungicides
INVENTOR(S): Blettner, Carsten; Tormo, I. Blasco Jordi; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Dietz, Jochen; Speakman, John-Bryan; Jabs, Thorsten; Strathmann, Siegfried; Schoefl, Ulrich; Scherer, Maria; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

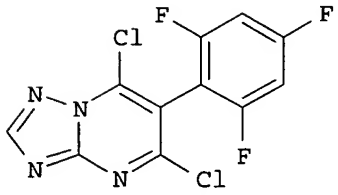
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006027170	A1	20060316	WO 2005-EP9456	20050902

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

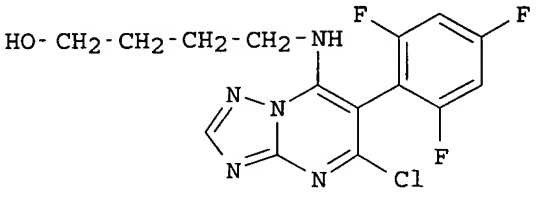
PRIORITY APPLN. INFO.: DE 2004-102004043836 20040908
GI



I



II

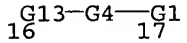


III

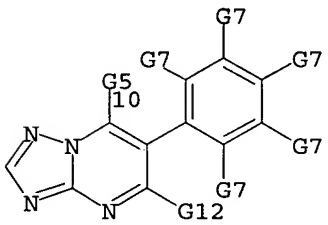
AB Title compds. I [X = CR2R3CR4R5(CR6R7)pYZ; R1 = H, alkyl, haloalkyl, etc.; R2 = alkyl, haloalkyl, cycloalkyl, etc.; R3, R4, R5, R6, R7 = H, R2; L = (L')m; L' = halo, alkyl, haloalkyl, etc.; R8 = halo, CN, alkyl, etc.; Y = S, O; Z = H, alkyl, haloalkyl, etc.] were prepared For example, condensation of 2-aminobutan-1-ol and dichloropyrimidine II afforded aminotriazolopyrimide III. In alternaria solani tomato assays, compds. I at 250 ppm, exhibited 85% protection after 5-days.

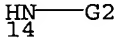
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

MSTR 1 ITERATION INCOMPLETE



G1 = 10 / NH2 / 14



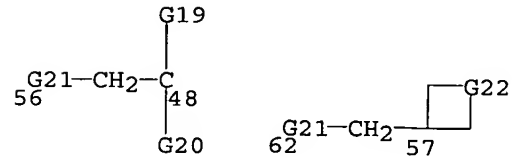


G2 = alkyl <containing 1-12 C>
(opt. substd. by 1 or more G3) /
cycloalkyl <containing 3-8 C> (opt. substd. by 1 or more G3)
/ alkenyl <containing 2-12 C> (opt. substd. by 1 or more G3)
/ cycloalkenyl <containing 3-6 C>
(opt. substd. by 1 or more G3) /
alkynyl <containing 2-12 C> (opt. substd. by 1 or more G3) /
Ph (opt. substd.) / naphthyl (opt. substd.) /
heterocycle <containing 5-6 atoms, 1-4 heteroatoms,
zero or more N, zero or more O,
zero or more S (no other heteroatoms),

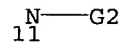
5- to 6-membered monocyclic ring> (opt. substd.) /
(Example: Me)

G3 = F / Cl / Br / I / R

G4 = carbon chain <containing 2 or more C,
0 or more double bonds, 0 or more triple bonds>
(opt. substd. by 1 or more G6) / (Examples: 56-16 48-17 /
62-16 57-17)

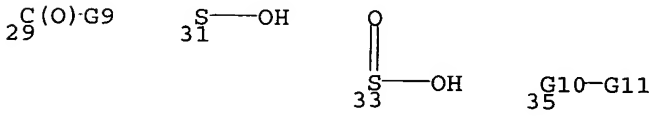


G5 = NH / 11



G6 = F / Cl / Br / I / R / cycloalkyl <containing 3-6 C>
(opt. substd. by 1 or more G3) /
cycloalkenyl <containing 3-6 C>
(opt. substd. by 1 or more G3) / Ph (opt. substd.) /
naphthyl (opt. substd.) / heterocycle <containing 5-6 atoms,
1-4 heteroatoms, zero or more N, zero or more O,
zero or more S (no other heteroatoms),
5- to 6-membered monocyclic ring> (opt. substd.)

G7 = (up to 4) H / F / Cl / Br / I /
alkyl <containing 1-4 C> / alkyl <containing 1-2 C>
(substd. by 1 or more G8) / alkoxy <containing 1-4 C> / CN /
NO2 / NH2 / alkylamino <containing 1-4 C> /
dialkylamino <each alkyl containing 1-4 C> /
alkylcarbonylamino <containing 1-4 C> / 29 / SH / 31 / 33 /
35 / (Specifically claimed: Me / CF3 / OMe / NHMe / NMe2 /
COMe)



G8 = F / Cl / Br / I

G9 = H / alkyl <containing 1-4 C> (opt. substd.) /
alkyl <containing 1-2 C> (substd. by 1 or more G3) /
alkoxy <containing 1-4 C> (opt. substd.) /
alkenyloxy <containing 2-4 C> (opt. substd.) /
alkynyloxy <containing 2-4 C> (opt. substd.) /
NH2 (opt. substd.) / alkylamino <containing 1-4 C>
(opt. substd.) / dialkylamino <each alkyl containing 1-4 C>
(opt. substd.)

G10 = S / S(O) / SO2

G11 = alkyl <containing 1-4 C> (opt. substd.) /
alkyl <containing 1-2 C> (substd. by 1 or more G3) /
alkoxy <containing 1-4 C> (opt. substd.) /
alkenyloxy <containing 2-4 C> (opt. substd.) /

alkynyloxy <containing 2-4 C> (opt. substd.) /
NH2 (opt. substd.) / alkylamino <containing 1-4 C>
(opt. substd.) / dialkylamino <each alkyl containing 1-4 C>
(opt. substd.)

G12 = F / Cl / Br / I / CN / alkyl <containing 1-4 C> /
alkoxy <containing 1-4 C> / alkenyloxy <containing 2-4 C> /
alkynyloxy <containing 2-4 C> /
alkoxy <containing 1-2 C> (substd. by 1 or more G8) /
(Specifically claimed: Me) / (Example: OMe)

G13 = OH / SH / 39

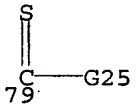
G14—G15
39

G14 = O / S

G15 = alkyl <containing 1-8 C> (opt. substd.) /
alkyl <containing 1-6 C> (substd. by 1 or more G3) /
cycloalkyl <containing 3-6 C> (opt. substd.) /
alkylcarbonyl <containing 1-8 C> (opt. substd.) /
alkoxycarbonyl <containing 1-8 C> (opt. substd.) / 41 /
alkenyloxycarbonyl <containing 3-8 C> (opt. substd.) /
alkynyloxycarbonyl <containing 3-8 C> (opt. substd.) /
cycloalkylcarbonyl <containing 3-6 C> (opt. substd.) /
alkenyl <containing 2-8 C> (opt. substd. by 1 or more G3) /
cycloalkenyl <containing 3-8 C> (opt. substd.) /
alkynyl <containing 2-6 C> (opt. substd. by 1 or more G3) /
cycloalkyloxycarbonyl <containing 3-6 C> (opt. substd.) /
cycloalkenyloxycarbonyl <containing 3-6 C> (opt. substd.) /
alkylsulfinyl <containing 1-8 C> (opt. substd.) /
alkylthio <containing 1-8 C> (opt. substd.) /
alkylsulfonyl <containing 1-8 C> (opt. substd.) /
Ph (opt. substd.) / naphthyl (opt. substd.) /
heterocycle <containing 5-6 atoms, 1-4 heteroatoms,
zero or more N, zero or more O,
zero or more S (no other heteroatoms),
5- to 6-membered monocyclic ring> (opt. substd.) /
(Examples: Me / Et / Pr-n / Bu-n / Bu-s / Bu-i / Bu-t /
Pr-i / 63 / 79)

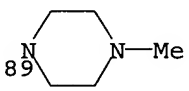
C(O)-G16
41

C(O)-G23
63

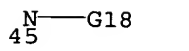


G16 = NH2 / 43 / heterocycle <containing 5-6 atoms,
1-4 heteroatoms, 1 or more N, zero or more O,
zero or more S (no other heteroatoms),
attached through 1 or more N, 5- to 6-membered monocyclic
ring> (opt. substd.) / (Examples: morpholino / 89)

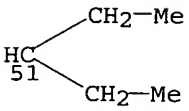
G17—G18
43



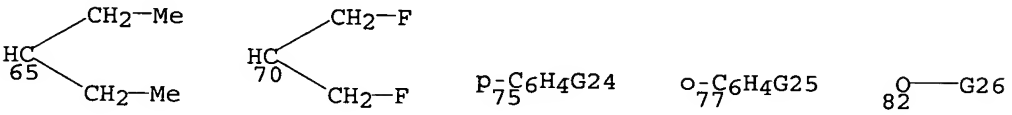
G17 = NH / 45



G18 = alkyl <containing 1-8 C> (opt. substd.) /
alkenyl <containing 2-8 C> (opt. substd.) /
alkynyl <containing 2-8 C> (opt. substd.) /
cycloalkyl <containing 3-6 C> (opt. substd.) /
cycloalkenyl <containing 3-6 C> (opt. substd.) /
(Examples: Me / Et / Pr-n / Pr-i / Bu-n)
G19 = Me / Et / Pr-n / Pr-i / Bu-t / 51 / cyclopropyl /
cyclopentyl / Bu-n / Bu-s / Bu-i



G20 = H / Me / Et / Pr-n / Pr-i
G21 = (0-1) CH2
G22 = bond / CH2CH2
G23 = Me / Et / Pr-n / Bu-n / 65 / 70 / CH2CH2Ph / 75 /
4-pyridyl / 77 / m-C6H4Me / 82



G24 = H / OMe / Cl / Me
G25 = Et / Me
G26 = Me / Et / Pr-n / Pr-i / Bu-n / Bu-i / Bu-s / Bu-t /
pentyl
Patent location: claim 1
Note: additional ring formation also claimed
Note: also incorporates claim 8

L92 ANSWER 4 OF 7 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 144:46618 MARPAT
TITLE: Preparation of triazolopyrimidine derivatives as fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Parra Rapado, Liliana; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

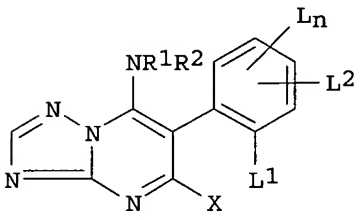
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005120233	A1	20051222	WO 2005-EP6170	20050608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004028084200406O9

GI

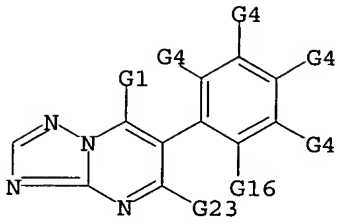


I

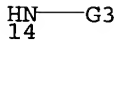
AB The invention relates to the preparation and fungicidal use of triazolopyrimidines I, wherein R1, R2 represent hydrogen, alkyl, alkyl halide, cycloalkyl, cycloalkyl halide, alkenyl, alkadienyl, alkenyl halide, cycloalkenyl, cycloalkenyl halide, alkynyl, alkynyl halide, cycloalkinyl, Ph, naphthyl, or a five-membered or ten-membered saturated, partially unsatd., or aromatic heterocycle containing one, two, three, or four heteroatoms from the group comprising O, N, or S. R1, R2 can be substituted, or R1 and R2 form five-membered to eight-membered heterocyclyl or heteroaryl along with the nitrogen atom to which the same are bound, the heterocyclyl or heteroaryl being bound via N. Furthermore, R1, R2 contain one, two, or three addnl. heteroatoms from the group comprising O, N, and S as a ring member. L represents halogen, alkyl, alkyl halide, alkoxy, alkoxy halide, alkenyloxy, cyano, etc; L1 represents halogen, alkyl, alkyl halide; L2 represents nitro, C(S)NR3R4 etc.; R3 and R4 represents hydrogen, alkyl, cycloalkyl, etc.; n represents 0, 1, 2, or 3. X represents hydrogen, cyano, alkyl, etc.

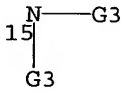
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

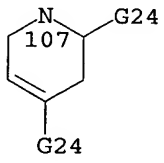
MSTR 1

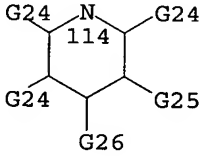


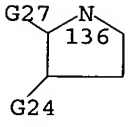
G1 = 14 / 15 / heterocycle <containing 5-8 atoms, 1-4 heteroatoms, 1 or more N, zero or more O, zero or more S (no other heteroatoms)> (opt. substd. by 1 or more G2) / heterocycle <containing 6-13 atoms, 1-4 heteroatoms, 1 or more N, zero or more O, zero or more S (no other heteroatoms), bicyclic> (opt. substd. by 1 or more G2) / heterocycle <containing 6-12 atoms, 3-6 heteroatoms, 1 or more N, 2 or more O, zero or more S (no other heteroatoms), bicyclic> (opt. substd. by 1 or more G2) / (Examples: 107 / 114 / morpholino / thiomorpholino / 131 / 136 / 144 / 155 / 161 / 168 / 180)

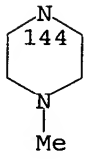


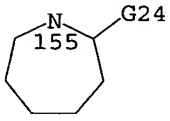


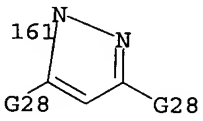


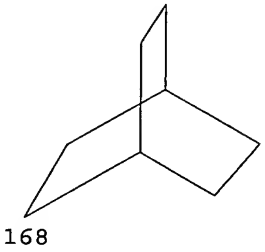


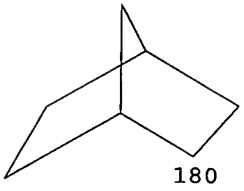












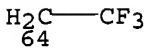
G2 = F / Cl / Br / I / alkyl <containing 1-6 C> (opt. substd. by 1 or more G6) / alkenyl <containing 2-6 C> (opt. substd. by 1 or more G6) / alkoxy <containing 1-6 C> (opt. substd. by 1 or more G6) / alkenyloxy <containing 3-6 C> (opt. substd. by 1 or more G6)

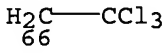
G3 = alkyl <containing 1-8 C>

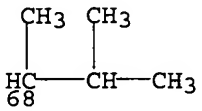
Saloni Sharma

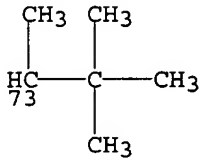
07/25/2006

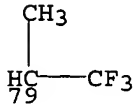
(opt. substd. by 1 or more G6) /
cycloalkyl <containing 3-10 C> /
cycloalkyl <containing 3-8 C> (substd. by 1 or more G6) /
alkenyl <containing 2-8 C> (opt. substd. by 1 or more G6) /
alkenyl <containing 2-10 C, 2 double bonds> /
cycloalkenyl <containing 3-8 C>
(opt. substd. by 1 or more G6) /
alkynyl <containing 2-8 C> (opt. substd. by 1 or more G6) /
Ph / naphthyl / heteroaryl <containing 5-10 atoms,
1-4 heteroatoms, zero or more N, zero or more O,
zero or more S (no other heteroatoms)> / (Examples: Me / Et /
64 / 66 / Pr-n / Pr-i / Bu-n / Bu-s / 68 / 73 / 79 / 82 /
85 / 88 / 92 / CH2CH=CH2 / 96 / 100 / propargyl /
cyclopentyl / cyclohexyl / CH2Ph)

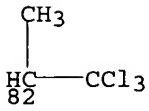


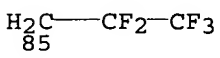


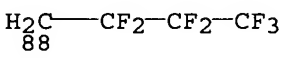


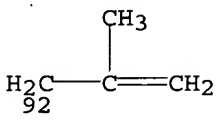


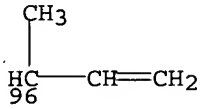


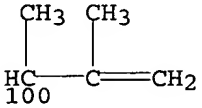




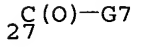


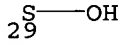


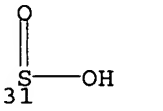


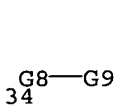


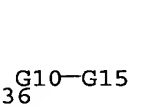
G4 = (up to 3) H / F / Cl / Br / I /
alkyl <containing 1-6 C> (opt. substd. by 1 or more G6) /
alkoxy <containing 1-6 C> (opt. substd. by 1 or more G6) /
alkenyloxy <containing 2-6 C> / CN / 27 / SH / 29 / 31 / 34
/
36 / NO2 / 50 / heterocycle <containing 4-6 atoms,
1 or more N, zero or more O, zero or more S (no other
heteroatoms), attached through 1 or more N,
4- to 6-membered monocyclic ring> (opt. substd.) /
(Examples: Me / OMe / CO2Me)

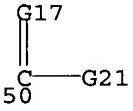






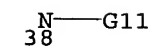




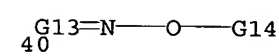


G6 = F / Cl / Br / I
G7 = H / OH / alkyl <containing 1-8 C> /
alkoxy <containing 1-8 C> (opt. substd. by 1 or more G6) /
NH2 / alkylamino <containing 1-8 C> /
dialkylamino <each alkyl containing 1-8 C> /

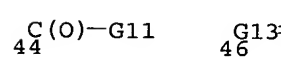
alkenyl <containing 2-8 C>
G8 = S / S(O) / SO2
G9 = OH / alkyl <containing 1-8 C> / NH2 /
alkylamino <containing 1-8 C> /
dialkylamino <each alkyl containing 1-8 C>
G10 = NH / 38



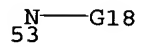
G11 = alkyl <containing 1-6 C>
(opt. substd. by 1 or more G12) /
alkenyl <containing 2-10 C> (opt. substd. by 1 or more G12) /
alkynyl <containing 2-10 C> (opt. substd. by 1 or more G12) /
cycloalkyl <containing 3-6 C> (opt. substd. by 1 or more G12)
/ cycloalkenyl <containing 3-8 C>
(opt. substd. by 1 or more G12) / 40



G12 = F / Cl / Br / I / CN / alkoxy <containing 1-4 C>
G13 = carbocycle <containing 3-6 C, non-aromatic,
saturated> (opt. substd. by 1 or more G12) /
carbocycle <containing 3-8 C, 1 or more double bonds>
(opt. substd. by 1 or more G12) /
carbon chain <containing 1-6 C, saturated>
(opt. substd. by 1 or more G12) /
carbon chain <containing 2-10 C, 1 or more double bonds>
(opt. substd. by 1 or more G12) /
carbon chain <containing 2-10 C, 1 or more triple bonds>
(opt. substd. by 1 or more G12)
G14 = alkyl <containing 1-4 C> /
alkenyl <containing 2-4 C> / alkynyl <containing 2-4 C>
G15 = alkyl <containing 1-6 C>
(opt. substd. by 1 or more G12) /
alkenyl <containing 2-10 C> (opt. substd. by 1 or more G12) /
alkynyl <containing 2-10 C> (opt. substd. by 1 or more G12) /
cycloalkyl <containing 3-6 C> (opt. substd. by 1 or more G12)
/ cycloalkenyl <containing 3-8 C>
(opt. substd. by 1 or more G12) / 46 / CHO / 44



G16 = F / Cl / Br / I / alkyl <containing 1-6 C>
(opt. substd. by 1 or more G6) / (Specifically claimed: Me)
G17 = S / 53

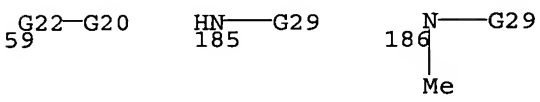


G18 = NH2 / OH / 55 / heterocycle <containing 4-6 atoms,
1 or more N, zero or more O, zero or more S (no other
heteroatoms), attached through 1 or more N,

4- to 6-membered monocyclic ring> (opt. substd.)

G19 = O / NH / 57

G20 = alkyl <containing 1-6 C> (opt. substd.) /
cycloalkyl <containing 3-6 C> (opt. substd.) /
alkenyl <containing 2-6 C> (opt. substd.) /
alkynyl <containing 2-6 C> (opt. substd.)
G21 = NH2 / 59 / heterocycle <containing 4-6 atoms,
1 or more N, zero or more O, zero or more S (no other
heteroatoms), attached through 1 or more N,
4- to 6-membered monocyclic ring> (opt. substd.) /
(Examples: 185 / 186)



G22 = NH / 61

G23 = F / Cl / Br / I / CN /
alkyl <containing 1-4 C> (opt. substd. by 1 or more G6) /
alkoxy <containing 1-4 C> / alkoxy <containing 1-2 C>
(substd. by 1 or more G6) / (Examples: Me / OMe)
G24 = H / Me
G25 = H / F / Me
G26 = H / Me / F / CF3 / OH
G27 = H / Me / Et
G28 = H / Me / CF3
G29 = Me / Pr-i
Patent location: claim 1
Note: and agriculturally acceptable salts
Note: additional substitution also claimed

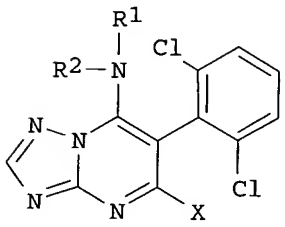
L92 ANSWER 5 OF 7 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 143:387055 MARPAT
TITLE: Preparation of 6-(2,6-dichlorophenyl)triazolopyrimidin
es as agrochemical fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos,
Wassilios; Grote, Thomas; Huenger, Udo; Mueller,
Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim;
Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja;
Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer,
Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl,
Reinhard

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

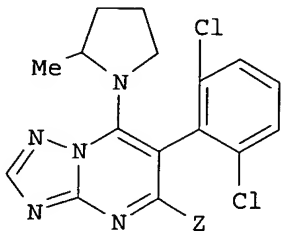
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095405	A2	20051013	WO 2005-EP4187	20050329
WO 2005095405	A3	20051222		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004016082200403 30
GI



I



II

AB Title compds. I [R1, R2 = H, alkyl, haloalkyl, etc.; X = alkyl, CN, alkoxy, etc.] were prepared For example, condensation of tetrabutylammonium cyanide and chloropyrimidine II (Z = Cl) afforded nitrile II (Z = CN). In cucumber sphaerotheca fuliginea protection assays, 2-examples of compds. I at 250 ppm, exhibited 100% protection after 7-days.

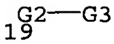
MSTR 1

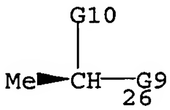
G1—G19

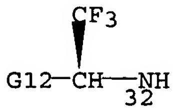
G1 = NH2 / 19 / heterocycle <containing 5-6 atoms, 1-4 heteroatoms, 1 or more N, zero or more O, zero or more S (no other heteroatoms), attached through 1 or more N, 5- to 6-membered monocyclic ring> (opt. substd. by 1 or more G6) /

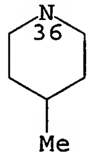
Saloni Sharma 07/25/2006

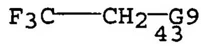
(Specifically claimed: 26 / 32 / 36 / 43) / (Examples: 88 / 95 / 102 / 109 / 116 / 122 / 127 / 133 / 139 / 146 / 152 / 160 / 170 / 176 / 183)

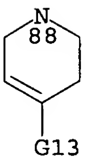


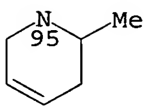


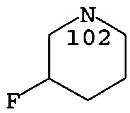


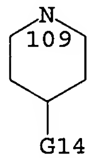


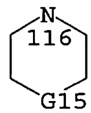


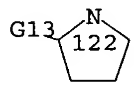


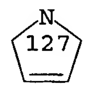


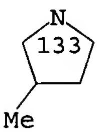


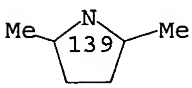


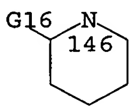


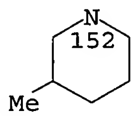


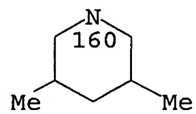


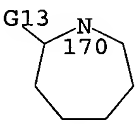


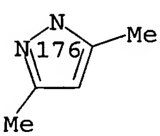


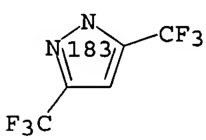




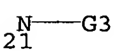






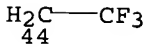


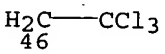
G2 = NH / 21

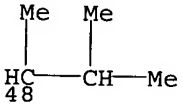


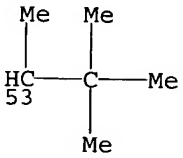
G3 = alkyl <containing 1-8 C>
(opt. substd. by 1 or more G4) /
cycloalkyl <containing 3-8 C, mono- or bicyclic>
(opt. substd. by 1 or more G4) /
alkenyl <containing 2-8 C> (opt. substd. by 1 or more G4) /
cycloalkenyl <containing 3-6 C>
(opt. substd. by 1 or more G4) /
alkynyl <containing 2-8 C> (opt. substd. by 1 or more G4) /
Ph (opt. substd. by 1 or more G4) / naphthyl (opt. substd.) /

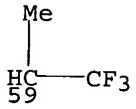
carbocycle <containing 10 C, aromatic, bonds all normalized, bicyclic, (2) 6-membered rings>
(opt. substd. by 1 or more G4) /
heterocycle <containing 5-6 atoms, 1-4 heteroatoms, zero or more N, zero or more O, zero or more S (no other heteroatoms), 5- to 6-membered monocyclic ring>
(opt. substd. by 1 or more G4) / (Examples: Me / Et / 44 / 46 / Pr-n / Pr-i / Bu-n / Bu-s / 48 / 53 / 59 / 64 / 67 / 70 / 73 / 77 / 81 / CH2CH=CH2 / propargyl / cyclopentyl / cyclohexyl / CH2Ph)

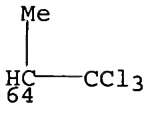


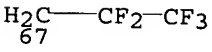


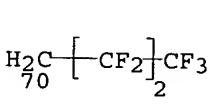


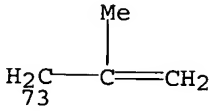


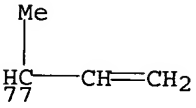


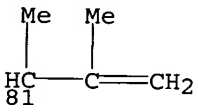












G4 = F / Cl / Br / I / CN / NO2 / OH /
alkyl <containing 1-6 C> (opt. substd. by 1 or more G5) /
alkylcarbonyl <containing 1-6 C> (opt. substd.) /
cycloalkyl <containing 3-6 C> (opt. substd.) /
alkoxy <containing 1-6 C> (opt. substd. by 1 or more G5) /
alkoxycarbonyl <containing 1-6 C> (opt. substd.) /
alkylthio <containing 1-6 C> (opt. substd.) /
alkylamino <containing 1-6 C> (opt. substd.) /
dialkylamino <each alkyl containing 1-6 C> (opt. substd.) /
alkenyl <containing 2-8 C> (opt. substd. by 1 or more G5) /
cycloalkenyl <containing 3-8 C> (opt. substd.) /
alkenyloxy <containing 2-6 C> (opt. substd. by 1 or more G5) / alkynyl <containing 2-6 C> (opt. substd. by 1 or more G5) /
alkynyloxy <containing 3-6 C> (opt. substd. by 1 or more G5) / cycloalkyloxy <containing 3-6 C> (opt. substd.) /
cycloalkenyloxy <containing 3-6 C> (opt. substd.) /
carbocycle <containing 6-10 C, aromatic, bonds all normalized, mono- or bicyclic, (1-2) 6-membered rings> (opt. substd.) /
heterocycle <containing 5-6 atoms, 1-4 heteroatoms, zero or more N, zero or more O, zero or more S (no other heteroatoms), 5- to 6-membered monocyclic ring> (opt. substd.)

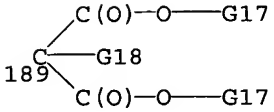
G5 = F / Cl / Br / I / R

G6 = F / Cl / Br / I / alkyl <containing 1-6 C>

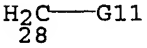
Saloni Sharma

07/25/2006

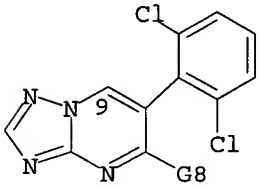
(opt. substd. by 1 or more G7) /
alkenyl <containing 2-6 C> (opt. substd. by 1 or more G7) /
alkoxy <containing 1-6 C> (opt. substd. by 1 or more G7) /
alkenyloxy <containing 3-6 C> (opt. substd. by 1 or more G7)
G7 = F / Cl / Br / I
G8 = alkyl <containing 1-4 C> / CN /
alkoxy <containing 1-4 C> / alkoxy <containing 1-2 C>
(opt. substd. by 1 or more G7) /
alkenyloxy <containing 3-4 C> (opt. substd. by 1 or more G7)
/ F / Cl / Br / I / 189 / (Specifically claimed: Me / OMe /
OEt)



G9 = NH / NMe
G10 = alkyl <containing 2-6 C> / 28



G11 = alkoxy <containing 1-4 C> /
cycloalkyl <containing 3-6 C>
G12 = alkyl <containing 2-6 C> / CN / OMe / OEt
G13 = H / Me
G14 = H / CF3 / OH / Me
G15 = O / S / NMe
G16 = Me / Et
G17 = alkyl <containing 1-4 C>
G18 = H / alkyl <containing 1-3 C>
G19 = 9 / H



Patent location: claim 1
Note: additional ring formation also claimed
Note: substitution is restricted
Note: also incorporates claims 12 and 13

L92 ANSWER 6 OF 7 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 143:387054 MARPAT
TITLE: Preparation of 6-(2-fluorophenyl)triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja;

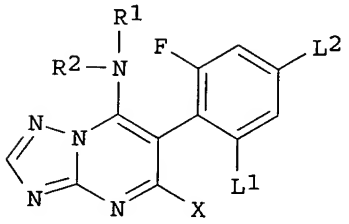
Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

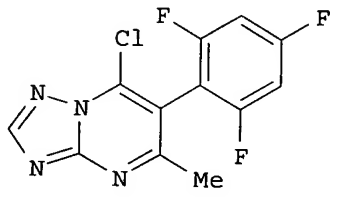
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095404	A2	20051013	WO 2005-EP3208	20050326
WO 2005095404	A3	20060406		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

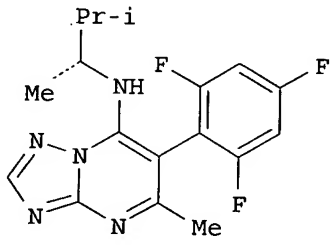
PRIORITY APPLN. INFO.: DE 2004-102004016082200403 30
GI



I



II



III

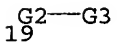
AB Title compds. I [R1 = alkyl, haloalkyl, (un)substituted cycloalkyl, etc.; R2 = H, alkyl with provisos; L1 = Cl, F; L = H when L1 = F, F; X = alkyl] were prepared For example, condensation of chloropyrimidine II and (2R)-3-methyl-2-butanamine afforded triazolopyrimidine III. In cucumber sphaerotheca fuliginea protection assays, 3-examples of compds. I at 250

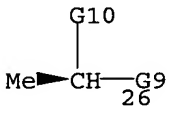
ppm, exhibited 100% protection after 7-days.

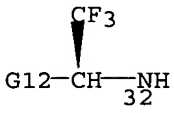
MSTR 1

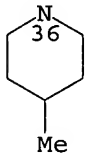
G1—G19

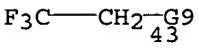
G1 = NH2 / 19 / heterocycle <containing 5-6 atoms, 1-4 heteroatoms, 1 or more N, zero or more O, zero or more S (no other heteroatoms), attached through 1 or more N, 5- to 6-membered monocyclic ring> (opt. substd. by 1 or more G6) / (Specifically claimed: 26 / 32 / 36 / 43) / (Examples: 88 / 95 / 102 / 109 / 116 / 122 / 127 / 133 / 139 / 146 / 152 / 160 / 170 / 176 / 183)

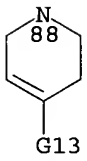


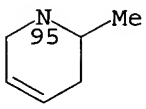


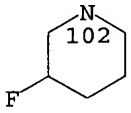


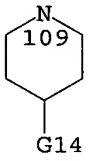


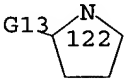


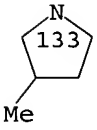


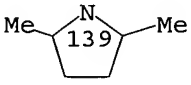


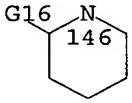


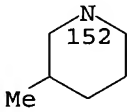


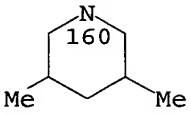


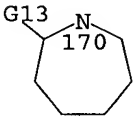


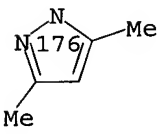


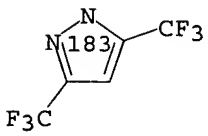




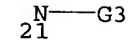




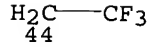


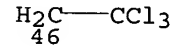


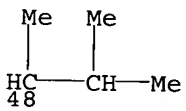
G2 = NH / 21

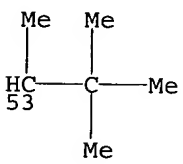


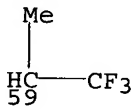
G3 = alkyl <containing 1-8 C>
(opt. substd. by 1 or more G4) /
cycloalkyl <containing 3-8 C, mono- or bicyclic>
(opt. substd. by 1 or more G4) /
alkenyl <containing 2-8 C> (opt. substd. by 1 or more G4) /
cycloalkenyl <containing 3-6 C>
(opt. substd. by 1 or more G4) /
alkynyl <containing 2-8 C> (opt. substd. by 1 or more G4) /
Ph (opt. substd. by 1 or more G4) / naphthyl (opt. substd.) /
carbocycle <containing 10 C, aromatic, bonds all normalized,
bicyclic, (2) 6-membered rings>
(opt. substd. by 1 or more G4) /
heterocycle <containing 5-6 atoms, 1-4 heteroatoms,
zero or more N, zero or more O,
zero or more S (no other heteroatoms),
5- to 6-membered monocyclic ring>
(opt. substd. by 1 or more G4) / (Examples: Me / Et / 44 /
46 / Pr-n / Pr-i / Bu-n / Bu-s / 48 / 53 / 59 / 64 / 67 /
70 / 73 / 77 / 81 / CH2CH=CH2 / propargyl / cyclopentyl /
cyclohexyl / CH2Ph)

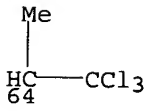


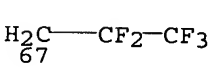


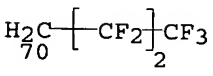


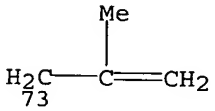


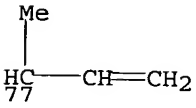


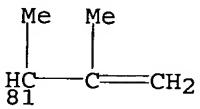












G4 = F / Cl / Br / I / CN / NO2 / OH /
alkyl <containing 1-6 C> (opt. substd. by 1 or more G5) /
alkylcarbonyl <containing 1-6 C> (opt. substd.) /
cycloalkyl <containing 3-6 C> (opt. substd.) /
alkoxy <containing 1-6 C> (opt. substd. by 1 or more G5) /
alkoxycarbonyl <containing 1-6 C> (opt. substd.) /
alkylthio <containing 1-6 C> (opt. substd.) /
alkylamino <containing 1-6 C> (opt. substd.) /
dialkylamino <each alkyl containing 1-6 C> (opt. substd.) /
alkenyl <containing 2-8 C> (opt. substd. by 1 or more G5) /
cycloalkenyl <containing 3-8 C> (opt. substd.) /
alkenyloxy <containing 2-6 C> (opt. substd. by 1 or more G5)

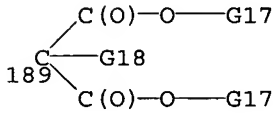
/ alkynyl <containing 2-6 C> (opt. substd. by 1 or more G5) / alkynyloxy <containing 3-6 C> (opt. substd. by 1 or more G5) / cycloalkyloxy <containing 3-6 C> (opt. substd.) / cycloalkenyloxy <containing 3-6 C> (opt. substd.) / carbocycle <containing 6-10 C, aromatic, bonds all normalized, mono- or bicyclic, (1-2) 6-membered rings> (opt. substd.) / heterocycle <containing 5-6 atoms, 1-4 heteroatoms, zero or more N, zero or more O, zero or more S (no other heteroatoms), 5- to 6-membered monocyclic ring> (opt. substd.)

G5 = F / Cl / Br / I / R

G6 = F / Cl / Br / I / alkyl <containing 1-6 C> (opt. substd. by 1 or more G7) / alkenyl <containing 2-6 C> (opt. substd. by 1 or more G7) / alkoxy <containing 1-6 C> (opt. substd. by 1 or more G7) / alkenyloxy <containing 3-6 C> (opt. substd. by 1 or more G7)

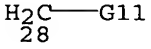
G7 = F / Cl / Br / I

G8 = alkyl <containing 1-4 C> / CN / alkoxy <containing 1-4 C> / alkoxy <containing 1-2 C> (opt. substd. by 1 or more G7) / alkenyloxy <containing 3-4 C> (opt. substd. by 1 or more G7) / F / Cl / Br / I / 189 / (Specifically claimed: Me / OMe / OEt)



G9 = NH / NMe

G10 = alkyl <containing 2-6 C> / 28



G11 = alkoxy <containing 1-4 C> / cycloalkyl <containing 3-6 C>

G12 = alkyl <containing 2-6 C> / CN / OMe / OEt

G13 = H / Me

G14 = H / CF3 / OH / Me

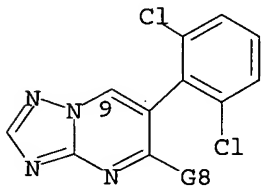
G15 = O / S / NMe

G16 = Me / Et

G17 = alkyl <containing 1-4 C>

G18 = H / alkyl <containing 1-3 C>

G19 = 9 / H



Patent location: claim 1

Saloni Sharma 07/25/2006

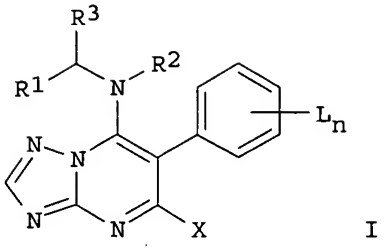
Note: additional ring formation also claimed
Note: substitution is restricted
Note: also incorporates claims 12 and 13

L92 ANSWER 7 OF 7 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 137:325428 MARPAT
TITLE: Preparation of 5-halogen-6-phenyl-7-fluoroalkylamino-triazolopyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Ammermann, Eberhard; Pees, Klaus-Juergen; Albert, Guido; Rehnig, Annerose; Search, Debra
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002083676	A1	20021024	WO 2002-EP3829	20020406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2443696	AA	20021024	CA 2002-2443696	20020406
EE 200300499	A	20031215	EE 2003-499	20020406
EP 1381609	A1	20040121	EP 2002-727533	20020406
EP 1381609	B1	20050119		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002008756	A	20040511	BR 2002-8756	20020406
CN 1501936	A	20040602	CN 2002-808080	20020406
JP 2004531527	T2	20041014	JP 2002-581431	20020406
AT 287405	E	20050215	AT 2002-727533	20020406
NZ 528745	A	20050324	NZ 2002-528745	20020406
PT 1381609	T	20050531	PT 2002-727533	20020406
ES 2236509	T3	20050716	ES 2002-2727533	20020406
CZ 295558	B6	20050817	CZ 2003-2721	20020406
BG 108238	A	20050430	BG 2003-108238	20031007
US 2004127509	A1	20040701	US 2003-474460	20031008
ZA 2003007888	A	20041011	ZA 2003-7888	20031009
PRIORITY APPLN. INFO.:			EP 2001-109011	20010411
			WO 2002-EP3829	20020406

GI

103

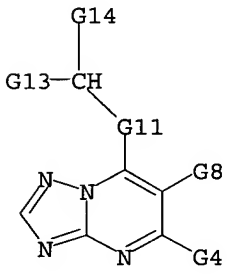


I

AB The title compds. [I; R1 = H, F, alkyl, alkenyl, alkynyl, alkadienyl; R2 = H, alkyl, alkenyl, alkynyl, alkadienyl; R3 = fluoroalkyl, fluoroalkenyl; X = halo; n = 0-4; L = halo, NO2, alkyl, haloalkyl, alkoxy, haloalkoxy], useful for combating phytopathogenic fungi, were prepared Thus, reacting 1,1,1-trifluorobutane-4-amine with 5,7-dichloro-6-(2-chloro-6-fluorophenyl)-[1,2,4]-triazolo[1,5-a]pyrimidine in the presence of Et3N in CH2Cl2 afforded I [R1, R2 = H; R3 = (CH2)2CF3; X = Cl; n = 2; L1 = 2-Cl; L2 = 6-F]. The young apple plants infested with Venturia inequalis had been treated with 200 ppm of the latter and showed an infection of up to 15%, whereas the untreated plants were infected to 80%.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

MSTR 1



G3 = F / Cl / Br / I / CN / NO2 / OH /
alkyl <containing 1-6 C> (opt. substd. by 1 or more G4) /
alkylcarbonyl <containing 1-6 C> /
cycloalkyl <containing 3-6 C> /
alkoxy <containing 1-6 C> (opt. substd. by 1 or more G4) /
alkoxycarbonyl <containing 1-6 C> /
alkylthio <containing 1-6 C> / alkylamino <containing 1-6 C> / dialkylamino <each alkyl containing 1-6 C> /
alkenyl <containing 2-6 C> / alkenyloxy <containing 2-6 C> /
alkynyl <containing 2-6 C> / alkynyloxy <containing 3-6 C>

G4 = F / Cl / Br / I

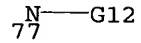
G5 = carbon chain <containing 1-10 C, 0-2 double bonds, 0 or more triple bonds> (opt. substd.)

G6 = alkylene <containing 1-4 C> (opt. substd. by 1 or more G4)

G8 = Ph (opt. substd. by (1-4) G9)

G9 = F / Cl / Br / I / NO2 /
alkyl <containing 1-10 C> (opt. substd. by 1 or more G4) /
alkoxy <containing 1-10 C> (opt. substd. by 1 or more G4) /

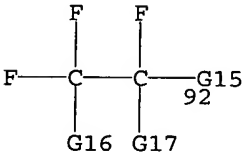
(Example: OMe)
G11 = NH / 77

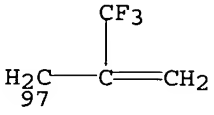


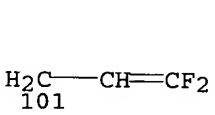
G12 = carbon chain <containing 1-10 C, 0-2 double bonds, 0 or more triple bonds> (opt. substd. by 1 or more G3) / 79 / (Examples: Me / Et / Pr-n)

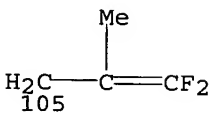
G13 = H / F / carbon chain <containing 1-10 C, 0-2 double bonds, 0 or more triple bonds> (opt. substd. by 1 or more G3) / 84 / (Specifically claimed: Me)

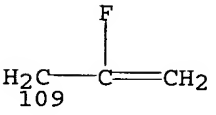
G14 = carbon chain <containing 2-8 C, 0 or more double bonds, no triple bonds> (substd. by 1 or more F) / (Specifically claimed: 92) / (Examples: 121 / 97 / 101 / 105 / 109 / 113 / 117)

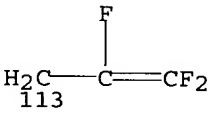


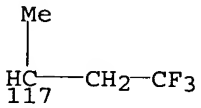












G15 = bond / CH2
G16 = H / F / alkyl <containing 1-6 C> (substd. by 1 or more F)
G17 = H / F
G16+G17= bond
Patent location: claim 1

```
=> d his full

     (FILE 'HOME' ENTERED AT 13:23:08 ON 25 JUL 2006)


     FILE 'STNGUIDE' ENTERED AT 15:59:45 ON 25 JUL 2006

     FILE 'REGISTRY' ENTERED AT 16:20:57 ON 25 JUL 2006
L57             STRUCTURE UPLOADED
L58           0 SEA SSS SAM L57
L59             STRUCTURE UPLOADED
L60           0 SEA SSS SAM L59
L61             STRUCTURE UPLOADED
L62          50 SEA SSS SAM L61
L63             STRUCTURE UPLOADED
L64           0 SEA SSS SAM L63
L65        1568 SEA SSS FUL L61
                SAVE TEMP L65 LEEJOH3/A
L66           0 SEA SUB=L65 SSS SAM L63
L67          36 SEA SUB=L65 SSS FUL L63
                SAVE TEMP LEEJOH4/A L67

     FILE 'HCAPLUS' ENTERED AT 16:37:08 ON 25 JUL 2006
L68           2 SEA ABB=ON  PLU=ON  L67
L69           0 SEA ABB=ON  PLU=ON  US2005-550571/APPS
L70           0 SEA ABB=ON  PLU=ON  WO2004-3346 /APPS
L71           0 SEA ABB=ON  PLU=ON  WO2004-03346 /APPS
                E WO2004-03346 /APPS
                E WO2004-3346 /APPS
                E WO2004-EP3346 /APPS
L72           1 SEA ABB=ON  PLU=ON  WO2004-EP3346 /APPS
                D SCA
L73           1 SEA ABB=ON  PLU=ON  L68 AND L72
                SEL RN L72

     FILE 'REGISTRY' ENTERED AT 16:40:17 ON 25 JUL 2006
L74          25 SEA ABB=ON  PLU=ON  (105-53-3/BI OR 13435-20-6/BI OR 214707-02-
                5/BI OR 2450-71-7/BI OR 773879-51-9/BI OR 773879-52-0/BI OR
                773879-53-1/BI OR 773879-54-2/BI OR 773879-55-3/BI OR 773879-56
                -4/BI OR 773879-57-5/BI OR 773879-58-6/BI OR 773879-59-7/BI OR
                773879-60-0/BI OR 773879-62-2/BI OR 773879-63-3/BI OR 773879-64
                -4/BI OR 773879-65-5/BI OR 773879-66-6/BI OR 773879-67-7/BI OR
                773879-68-8/BI OR 773879-69-9/BI OR 773879-70-2/BI OR 773879-71
                -3/BI OR 773879-72-4/BI)
L75           9 SEA ABB=ON  PLU=ON  L74 AND L67
L76          16 SEA ABB=ON  PLU=ON  L74 NOT L75
                D SCA
L77          12 SEA ABB=ON  PLU=ON  L76 AND L65

     FILE 'HCAPLUS' ENTERED AT 16:44:53 ON 25 JUL 2006
L78           1 SEA ABB=ON  PLU=ON  L77

     FILE 'REGISTRY' ENTERED AT 16:45:23 ON 25 JUL 2006

     FILE 'HCAPLUS' ENTERED AT 16:45:58 ON 25 JUL 2006
                D STAT QUE L68

     FILE 'REGISTRY' ENTERED AT 16:46:30 ON 25 JUL 2006
L79             ANALYZE PLU=ON  L67 1- LC :       3 TERMS
                D
```

```
     FILE 'TOXCENTER' ENTERED AT 16:47:25 ON 25 JUL 2006
L80            1 SEA ABB=ON  PLU=ON  L67

     FILE 'MARPAT' ENTERED AT 16:48:02 ON 25 JUL 2006
L81            5 SEA SSS SAM L63

     FILE 'BEILSTEIN' ENTERED AT 16:48:41 ON 25 JUL 2006
L82            0 SEA ABB=ON  PLU=ON  L65
L83            0 SEA ABB=ON  PLU=ON  L65
L84            0 SEA SSS SAM L63
L85            0 SEA SSS FUL L63

     FILE 'MARPAT' ENTERED AT 16:49:58 ON 25 JUL 2006
L86           59 SEA SSS FUL L63

     FILE 'STNGUIDE' ENTERED AT 16:50:50 ON 25 JUL 2006

     FILE 'MARPAT' ENTERED AT 16:54:17 ON 25 JUL 2006
L87              STRUCTURE UPLOADED
L88            5 SEA SUB=L86 SSS SAM L87

     FILE 'STNGUIDE' ENTERED AT 16:55:11 ON 25 JUL 2006

     FILE 'MARPAT' ENTERED AT 16:57:15 ON 25 JUL 2006
L89              STRUCTURE UPLOADED
L90            0 SEA SUB=L86 SSS SAM L89
L91            6 SEA SUB=L86 SSS FUL L89

     FILE 'REGISTRY' ENTERED AT 16:58:43 ON 25 JUL 2006

     FILE 'HCAPLUS' ENTERED AT 16:58:50 ON 25 JUL 2006
               D STAT QUE L68

     FILE 'BEILSTEIN' ENTERED AT 16:59:15 ON 25 JUL 2006
               D STAT QUE L85

     FILE 'MARPAT' ENTERED AT 16:59:33 ON 25 JUL 2006
               D STAT QUE L91

     FILE 'HCAPLUS, MARPAT' ENTERED AT 16:59:59 ON 25 JUL 2006
L92            7 DUP REM L68 L91 (1 DUPLICATE REMOVED)
                     ANSWERS '1-2' FROM FILE HCAPLUS
                     ANSWERS '3-7' FROM FILE MARPAT
               D IBIB ABS HITSTR L92 1-2
               D IBIB ABS HIT L92 3-7


     FILE HOME

     FILE CAPLUS

     Copyright of the articles to which records in this database refer is
     held by the publishers listed in the PUBLISHER (PB) field (available
     for records published or updated in Chemical Abstracts after December
     26, 1996), unless otherwise indicated in the original publications.
     The CA Lexicon is the copyrighted intellectual property of the
     American Chemical Society and is provided to assist you in searching
     databases on STN.  Any dissemination, distribution, copying, or storing
     of this information, without the prior written consent of CAS, is
```

strictly prohibited.

FILE COVERS 1907 - 25 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 24 Jul 2006 (20060724/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 JUL 2006 HIGHEST RN 895579-80-3
DICTIONARY FILE UPDATES: 23 JUL 2006 HIGHEST RN 895579-80-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 21, 2006 (20060721/UP).

FILE HCAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 25 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 24 Jul 2006 (20060724/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE TOXCENTER

FILE COVERS 1907 TO 25 Jul 2006 (20060725/ED)

This file contains CAS Registry Numbers for easy and accurate substance

identification.

The MEDLINE file segment has been updated with 2006 MEDLINE data and features. See HELP RLOAD for details.

TOXCENTER thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.
See http://www.nlm.nih.gov/mesh/
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html
for a description of changes.

FILE MARPAT
FILE CONTENT: 1961-PRESENT VOL 144 ISS 26 (20060721/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US	2006118302	08 JUN 2006
DE	102004054303	11 MAY 2006
EP	1657292	17 MAY 2006
JP	2006120460	11 MAY 2006
WO	2006053912	26 MAY 2006
GB	2419594	03 MAY 2006
FR	2877567	12 MAY 2006
RU	2275374	27 APR 2006
CA	2518664	10 MAR 2006

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

FILE BEILSTEIN
FILE LAST UPDATED ON JUNE 16, 2006

FILE COVERS 1771 TO 2006.
FILE CONTAINS 9,606,495 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For mo detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *

* FOR PRICE INFORMATION SEE HELP COST *
****

NEW

* PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.
* NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.

=>

John

Dinatale

This Page Blank (uspto)